

Contents

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

Vol. 81

Quantification of synergistic interaction of surfactants using a generalised Frumkin–Damaskin isotherm R. Wüstneck, R. Miller and J. Kriwanek (Berlin, Germany)	1
Reversal of bubble charge in multivalent inorganic salt solutions — effect of lanthanum C. Li and P. Somasundaran (New York, NY, USA)	13
Enhanced flocculation with double flocculants X. Yu and P. Somasundaran (New York, NY, USA)	17
Electron paramagnetic resonance nitroxide spin labeling of ceramic and metal oxide surface hydroxyls, and use in studying surface molecular dynamics vs. temperature, solvent, and polymer additive F.P. Auteri and R.L. Belford (Urbana, IL, USA), B.H. Robinson (Seattle, WA, USA) and R.B. Clarkson (Urbana, IL, USA)	25
The use of visible light diffraction for measuring interparticle separations in concentrated silica dispersions S.D. Lubetkin and C.F. Edser (Bristol, UK)	43
Conformational change of glycine trimer alkyl esters in aqueous solution K. Taga, K. Ohshima, H. Matsuoka, T. Yoshida and H. Okabayashi (Nagoya, Japan)	59
Concentrated dispersions of charged colloidal particles: sedimentation, ultrafiltration and diffusion D.N. Petsev (Sofia, Bulgaria), V.M. Starov (Moscow, Russian Federation) and I.B. Ivanov (Sofia, Bulgaria)	65
The effect of electrolytes, pH and surfactant on the adsorption of natural rubber latex on tin tailings slimes C.C. Ho, K.C. Lee and E.B. Yeap (Kuala Lumpur, Malaysia)	83
Properties of microfiltration membranes: the surface electrochemistry of mixed oxide ceramic membranes W.R. Bowen and H. Mukhtar (Swansea, UK)	93
The role of cyanide in the interaction of ethyl xanthate with galena C.A. Prestidge, J. Ralston and R.St.C. Smart (Adelaide, S.A., Australia)	103
Partial coalescence in oil-in-water emulsions. 1. Nature of the aggregation K. Boode and P. Walstra (Wageningen, The Netherlands)	121
Partial coalescence in oil-in-water emulsions. 2. Influence of the properties of the fat K. Boode, P. Walstra and A.E.A. de Groot-Mostert (Wageningen, The Netherlands)	139
Preparation and properties of uniform coated inorganic colloidal particles. 9. Titania on copper compounds I. Haq and E. Matijević (Potsdam, NY, USA)	153
Interactions of latex spheres and anionic surfactant in hydrophobically modified polymer aqueous solution M. Pisárčik, D. Bakoš and M. Čeppan (Bratislava, Slovak Republic)	161
Dispersion of coagulated colloids by ultrasonication K. Higashitani (Kyoto, Japan), K. Yoshida and N. Tanise (Kitakyushu, Japan) and H. Murata (Saitama, Japan)	167
Preparation of submicron spherical particles of silica by the water-in-oil microemulsion method W. Wang, X.-A. Fu, J.-A. Tang and L. Jiang (Beijing, People's Republic of China)	177
Adhesive-hard-sphere approximation for “vapor/liquid” transitions in colloidal dispersions K. Shukla and R. Rajagopalan (Houston, TX, USA)	181
Modification of carbon whisker surface by the grafting of polyethers: cationic ring-opening polymerization of cyclic ethers initiated by acylium perchlorate groups on the surface N. Tsubokawa and T. Yoshihara (Niigata, Japan)	195
Factors which affect oil exchange between oil-in-water emulsion droplets stabilized by whey protein isolate: protein concentration, droplet size and ethanol D.J. McClements, S.R. Dungan, J.B. German and J.E. Kinsella (Davis, CA, USA)	203

Thermal and mechanical effects on natural and activated smectite structure C. Volzone and R.M. Torres Sanchez (Buenos Aires, Argentina)	211
Surfactant adsorption at liquid/liquid interfaces. Comparison of experimental results with self-consistent field lattice calculations and molecular dynamics simulations N.M. Van Os (Amsterdam, The Netherlands), L.A.M. Rupert (Chester, UK), B. Smit, P.A.J. Hilbers and K. Esselink (Amsterdam, The Netherlands), M.R. Böhmer and L.K. Koopal (Wageningen, The Netherlands)....	217
Nucleation and stabilization of quantized AgI clusters in aqueous solution P. Mulvaney (Berlin, Germany)	231
In situ steric stabilization of polyethylene emulsions in asphalt binders for hot-mix pavement applications Z. Liang (Toronto, Ont., Canada) and S.A.M. Hesp (Kingston, Ont., Canada)	239
A simple experimental method for the measurement of the surface tension of cellulosic fibres and its relation with chemical composition J.M. van Hazendonk and J.C. van der Putten (Wageningen, The Netherlands), J.T.F. Keurentjes (Arnhem, The Netherlands) and A. Prins (Wageningen, The Netherlands)	251
Chemical stability of ethoxylated sulfonate oligomers related to improved oil recovery T. Austad and I. Fjelde (Stavanger, Norway)	263
Interaction of Atriopeptin III with lipids — a monolayer study A. Dhathathreyan (Madras, India)	269
Crystallization in oil-in-water emulsions containing liquid and solid droplets E. Dickinson, F.-J. Kruizenga, M.J.W. Povey and M. van der Molen (Leeds, UK).....	273
Aggregation behaviour of human serum albumin-carrying latex particles and binding constants of divalent cations to the latex particles M. Nakamura, H. Ohshima and T. Kondo (Tokyo, Japan)	281
<i>Brief Notes</i>	
Amendment of Archimedes' principle B.V. Derjaguin (Moscow, Russian Federation).....	289
Comments on "Contact angle kinetics of human albumin solutions at solid surfaces" A. Baszkin (Châtenay-Malabry, France)	291
<i>Announcement</i>	293
<i>Author Index</i>	295
<i>Subject Index</i>	296
<i>Contents (Vol. 81)</i>	298

